

## INFORMATION REPORT

REPORT

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COUNTRY USSR(Kemerovo Oblast)

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SUBJECT TETs Power Plant III at Stalinsk

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1. The turbine house of the power plant in Stalinsk (53°45'N/97°07'E) Kemerovo Oblast, has 25x30x100 meters. It was being built in four stages according to plans which came from Berlin. In December 1949 two sections had been completed on the third stage but not equipped. These three sections were steel and masonry structures with a flat roof, large windows, and cement floors. There were partitions between the individual sections and also between the turbine room, the boiler room and the blower (Getlasse) room in each of the sections. Openings in the walls allowed the traveling crane to operate through all three sections. This crane was used for the assembly and repair of the turbines. No switches or armatures were noticed in the turbine rooms of sections I and II.

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2. The four boilers in section I were fueled with crushed coal, and the others were granular. The four boilers in section II were heated with coal dust with black oil being injected at the same time. The ashes were as fine as soot of the eight boilers, seven were in operation, the other one being under repair. Sections I and II each had two turbines in operation. It was proposed that the fifth turbine, which was in Section III, be started with steam supplied from section II as the boilers of Sections III were not ready for operation at the scheduled time.

3. The plant had a capacity of 75,000 kw in December 1949. 45 percent of the output was supplied via cable to the neighboring aluminum plant and the remaining 20 percent was delivered to factories in the vicinity and not to municipal consumers.

The power plant had a work force of about 250 men and women, including the coal workers. There were also 400 to 500 NKVD and a few Soviets doing construction work, all done in three shifts.

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\*\* Comment. With the fifth turbine in operation the total capacity of the plant would be 112,500 kw.

This estimate of the plant's

capacity with five turbines has not been confirmed so far but is credible. The plant's final capacity of 225,000 kw is also credible.

\*\*\* Comment. The power plant supplies electricity chiefly to coal mines, the Stalin Metallurgical Plant and Rolling Mill, to aluminum plants and other industrial plants in Stalinsk which has always been very short of current. Civilian consumers are also supplied with power.

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